

WHAT IS CLAIMED IS:

1. A virtual space system having a chat function, comprising:

a virtual space control device including transmission object holding means for holding latest position information of a transmitter in a virtual space and transmission region definition information for defining a transmission region as a closed region at a side of the transmitter, and reception object holding means for holding latest position information of a reception object and reception region definition information for defining a reception region as a closed region at a side of the reception object; and

chat storage means for storing only contents of a chat issued from the transmitter in the reception region or only contents of a chat issued from the transmitter when the reception object enters the transmission region.

2. A virtual space system according to claim 1, wherein the reception object holding means further holds reception region use information indicating whether the reception region is used,

in a case where the reception region use information indicates that the reception region is not used, the chat storage means stores only the contents of the chat issued from the transmitter when the reception object enters the

transmission region, and

in a case where the reception region use information indicates that the reception region is used, the chat storage means stores only the contents of the chat issued from the transmitter in the reception region.

3. A virtual space system according to claim 2, wherein in a case where the reception region use information indicates that the reception region is not used, storage of the contents of the chat is made while relation to the reception object holding means which has entered the transmission region is established, and in a case where the reception region use information indicates that the reception region is used, the storage is made while relation to the reception object holding means relative to the reception region where the transmitter has entered is established.

4. A virtual space system according to claim 1, wherein the transmission region and the reception region are closed regions defined by two-dimensional elements.

5. A virtual space system according to claim 1, wherein the transmission region and the reception region are inner regions of polygonal columns each having a section of a polygon drawn on a horizontal plane in the virtual space.

6. A virtual space system according to claim 1, wherein the transmission region and the reception region are inner regions of segmental columns each having a section of a segment

drawn on a horizontal plane in the virtual space.

7. A virtual space system, according to claim 1, wherein the transmission region is defined while relation to the latest position information of the transmitter is established, and the reception region is defined while relation to the latest position information of the reception object is established.

8. A virtual space system according to claim 1, further comprising a reception object control device for preparing and controlling the reception object,

wherein the latest position information of the reception object and the reception region definition information are set while relation to the reception object is established.

9. A virtual space control device for controlling a virtual space having a chat function, comprising:

transmission object holding means for holding latest position information of a transmitter in the virtual space and transmission region definition information for defining a transmission region as a closed region at a side of the transmitter; and

reception object holding means for holding latest position information of a reception object and reception region definition information for defining a reception region as a closed region at a side of the reception object,

wherein only contents of a chat issued from the transmitter in the reception region or only contents of a chat

issued from the transmitter when the reception object enters the transmission region are stored.

10. A control method of a virtual space having a chat function, comprising the steps of:

holding latest position information of a transmitter in the virtual space and transmission region definition information for defining a transmission region as a closed region at a side of the transmitter;

holding latest position information of a reception object and reception region definition information for defining a reception region as a closed region at a side of the reception object; and

storing only contents of a chat issued from the transmitter in the reception region or only contents of a chat issued from the transmitter when the reception object enters the transmission region.

11. An information providing medium for providing a program which causes a computer to execute functions of:

holding latest position information of a transmitter in a virtual space and transmission region definition information for defining a transmission region as a closed region at a side of the transmitter;

holding latest position information of a reception object and reception region definition information for defining a reception region as a closed region at a side of

